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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

03/01/2004

Michael G. Fletcher Fletcher, Yoder & Van Someren P.O. Box 692289 Houston, TX 77269-2289

EXA	EXAMINER TRAN, THIEN F				
•					
ART UNIT	PAPER NUMBER				
2811	· -				

DATE MAILED: 03/01/2004

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	09/740,256	12/19/2000	Alan R. Reinberg	MCRO:1062/FLE	5857

TITLE OF INVENTION: SMALL ELECTRODE FOR A CHALCOGENIDE SWITCHING DEVICE AND METHOD FOR FABRICATING SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/01/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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INSTRUCTIONS: This for appropriate. All further conindicated unless corrected by maintenance fee notification	respondence including the I below or directed otherwise	smitting the ISSU Patent, advance ordin Block 1, by (a)	E FEE and PUBLIC ders and notification) specifying a new co	CATION FEE (if req of maintenance fees orrespondence addres	uired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a sep	should be completed where correspondence address as arate "FEE ADDRESS" for
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Michael G. Fletch Fletcher, Yoder & Y P.O. Box 692289 Houston, TX 77269	Van Someren			I hereby certify that States Postal Service addressed to the Ma	ate of mailing or transmission. ertificate of Mailing or Tran this Fee(s) Transmittal is bein with sufficient postage for fir ail Stop ISSUE FEE address PTO, on the date indicated be	ig deposited with the United rst class mail in an envelope s above, or being facsimile
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						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	1	FIRST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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TRAN, 7	THIEN F	2811		257-002000	_	
Address form PTO/SB/12 "Fee Address" indication PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless	on (or "Fee Address" Indicated or more recent) attached. Use PRESIDENCE DATA TO Be an assignee is identified below.	tion form e of a Customer E PRINTED ON T	agents OR, altern firm (having as a agent) and the na attorneys or agen will be printed. THE PATENT (print of ata will appear on the	or type)	e of a single I attorney or 2	ate when an assignment has
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other than the applicant; interest as shown by the re-	d Publication Fee (if require a registered attorney or ago cords of the United States Pa	ent; or the assigne tent and Trademar	ee or other party in k Office.]		
obtain or retain a benefit application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing t Patent and Trademark (22313-1450. DO NOT S	tion is required by 37 CFR by the public which is to fix is governed by 35 U.S.C. I les to complete, including grant to the USPTO. Time will the amount of time you will be sent to complete, should be sent to complete, U.S. Department END FEES OR COMPLE for Patents, Alexandria, Virgonia is the complete comple	ile (and by the US 22 and 37 CFR 1.1 athering, preparing II vary depending require to complete to the Chief Inform of Commerce, A TED FORMS TO	PTO to process) an 14. This collection is , and submitting the upon the individual te this form and/or nation Officer. U.S.			

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/740,256	12/19/2000	Alan R. Reinberg	MCRO:1062/FLE	5857
7:	590 03/01/2004		EXAM	INER
Michael G. Fletc	her		TRAN, T	HIEN F
Fletcher, Yoder &	Van Someren			
P.O. Box 692289			ART UNIT	PAPER NUMBER
Houston, TX 7726	9-2289		2811	
			DATE MAILED: 03/01/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Applicant(s) Application No. REINBERG ET AL. 09/740,256 Notice of Allowability **Examiner** Art Unit Thien F Tran 2811 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to <u>11/07/2003</u>. 2. The allowed claim(s) is/are 32-91. 3. The drawings filed on _____ are accepted by the Examiner. 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) Some* c) None of the: a) 🔲 All 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. _____. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) I including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) I hereto or 2) I to Paper No./Mail Date ___ (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ___ Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 5. Notice of Informal Patent Application (PTO-152) 1. Notice of References Cited (PTO-892) 6. Interview Summary (PTO-413), 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Paper No./Mail Date .

THIENTRAN
PRIMARY EXAMINER

7. ⊠ Examiner's Amendment/Comment

9. Other ____.

8. Examiner's Statement of Reasons for Allowance

Paper No./Mail Date

of Biological Material

3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),

4.

Examiner's Comment Regarding Requirement for Deposit

Application/Control Number: 09/740,256

Art Unit: 2811

Examiner's amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael G. Fletcher on February 13, 2004.

The application has been amended as follows:

Claim 62, line 5, delete "by a portion of a substrate" insert --from one another--.

Claim 62, line 7, after "area of intersection in" delete "the" insert --a--.

Claim 77, line 5, delete "by a portion of a substrate" insert --from one another--.

Claim 77, line 7, after "area of intersection in" delete "the" insert --a--.

Drawings

The proposed drawing correction of Figures 5-15 submitted on 03/25/2003 has been approved.

The application having been allowed, formal drawings are required in response to this Office action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien F Tran whose telephone number is (571) 272-1665. The examiner can normally be reached on 8:30AM - 5:00PM Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

tt February 13, 2004

THIENTRAN
PRIMARY EXAMINER